

## Peer Reviewed Papers

Title: Li, Y., Meseck, S.L., Dixon, M.S., Rose, J.M., Smith, B.C., Wikfors, G. In press. Short term effects of a commercial eastern oyster nursery upon nutrient and plankton dynamics of a coastal embayment: observations from mesocosm experiments. Aquaculture Research.

Meseck, S.L., Mercaldo-Allen, R., Rose, J.M., Clark, P., Kuropat, C., Pereira, J.J., and Goldberg, R., In press. Impacts of hydraulic dredging for *Mercenaria mercenaria*, northern quahog, on sediment biogeochemistry. Journal of World Aquaculture.

Fuentes, S., G.H. Wikfors, Meseck, S.L. 2013. Silicon deficiency induces alkaline phosphatase enzyme activity in cultures of four marine diatoms. Estuaries and Coasts

Goldberg, R., Mercalo-Allen, R., Rose, J.M., Clark, P., Kuropat, C., Meseck, S., Pereira, J. 2012. Effects of hydraulic shellfish dredging on the ecology of a cultivated clam bed. Aquaculture Environment Interactions 3:11-21.

Li, Y., Meseck, S.L., Dixon, M.S., Rivara, K., Wikfors, G.H. 2012. Temporal variability in phytoplankton removal by a commercial, suspended eastern oyster nursery and effects on local plankton dynamics. Journal of Shellfish Research 31:1077-1089.

Limin, C., Meseck, S.L., Roy, S.B., Grieb, T.M. and Baginska, B. 2012. Modeling fate, transport, and biological uptake of selenium in North San Francisco Bay. Estuaries and Coasts 35: 1551-1570.

Meseck, S.L., Li Y., Dixon, M.S., Rivara, K., Wikfors, G.H., Luther, G. III. 2012. Effects of a commercial, suspended eastern oyster nursery upon nutrient and sediment chemistry in a temperate, coastal embayment. Aquaculture Environment Interactions 3:65-79.

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Widman, J.C., Jr., Meseck, S.L., Sennefelder, G., and Veilleux, D. 2008 . Toxicity of unionized ammonia, nitrite, and nitrate to the Bay scallop. Achieves of Environmental Science and Toxicology 54: 460-465.

Meseck, S.L. 2007. Controlling the growth of a cyanobacterial contaminant, *Synechoccus* sp., in a culture of *Tetraselmis chui* (PLY429) by varying pH: Implications for outdoor aquaculture production. *Aquaculture* 273: 566-572.

Meseck, S.L., Wikfors, G.A., Alix, J., Smith, B., and Dixon. M. 2007. Impacts of a cyanobacterium contaminating large-scale aquaculture feed cultures of *Tetraselmis chui* upon survival and growth of bay scallops, *Argopecten irradians irradians*. *Journal of Shellfish Research* 26:1-4.

Meseck, S.L., Smith, B.C., Wikfors, G.H., Alix, J.H., Kapareiko. D. 2007. Nutrient interactions between phytoplankton and bacterioplankton under different carbon dioxide regimes. *Journal of Applied Phycology*. 19: 229-237.

Meseck, S.L. and Cutter, G.A. 2005. Evaluating the biogeochemical cycle of selenium in San Francisco Bay through modeling. *Limnology and Oceanography* 51: 2018-2032.

Meseck, S.L., Alix, J.H., and Wikfors, G.H. 2004. Photoperiod and light intensity effects on growth and utilization of nutrients by the aquaculture feed microalgae, *Tetraselmis chui* (PLY429). *Aquaculture* 246: 394-404.

Non-peer reviewed:

Alix RJ, Schreiner W, Meseck SL. 2013. Construction of an inexpensive gravity sediment corer for micro-profiling O<sub>2</sub> and pH in marine sediments. NOAA Tech Memo NMFS NE 224; 13 p. Available from: National Marine Fisheries Service, 166 Water Street, Woods Hole, MA 02543-1026, <http://www.nefsc.noaa.gov/nefsc/publications/>

Wikfors, G. H, Widman, J.C. Jr., Smith, B.C., Veilleux, D., Choromanski, J., Meseck, S.L, Goldberg, R., and Stiles, S. 2004. NEFSC Develops RAS system for Domesticated Bivalves. *Global Aquaculture Advocate*. 7: 53-54.